

## 5<sup>TH</sup> GRADE MATH EXIT EXPECTATIONS BOXES

| <u>NUMBER OPERATIONS AND RELATIONSHIPS</u>  | <u>PROBABILITY AND STATISTICS</u>  | <u>GEOMETRY</u>   |
|---|--|---|
| <ul style="list-style-type: none"> <li>▪ Identify decimals to hundredths</li> <li>▪ Identify practical uses of negative numbers</li> <li>▪ Know exponential notation for powers of ten</li> <li>▪ Compare and order whole numbers, decimals, and fractions</li> <li>▪ Find multiples of numbers and the LCM of a number pair</li> <li>▪ Find factors of numbers and the GCF of a number pair</li> <li>▪ Know divisibility rules for 2, 5, and 10</li> <li>▪ Rename improper fractions to mixed numbers</li> <li>▪ Recognize equivalent fractions</li> <li>▪ Simplify fractions</li> <li>▪ Add and subtract fractions and mixed numbers with like and unlike denominators</li> <li>▪ Add and subtract decimals</li> <li>▪ Multiply two-digit numbers by two- and three-digit numbers</li> <li>▪ Divide by one- and two-digit numbers</li> <li>▪ Estimate sums, differences, products, and quotients</li> <li>▪ Round decimals to the nearest tenths and hundredths</li> <li>▪ Use mental math to multiply by powers</li> </ul> | <ul style="list-style-type: none"> <li>▪ Compare and contrast information on graphs and tables</li> <li>▪ Predict and list possible outcomes</li> <li>▪ Find mean, median, range, and mode</li> <li>▪ Use simple models to conduct probability experiments</li> </ul>  | <ul style="list-style-type: none"> <li>▪ Identify, compare, and draw 2-dimensional figures (quadrilaterals, hexagon, pentagon, octagon)</li> <li>▪ Identify and compare 3-dimensional figures</li> <li>▪ Identify properties of geometric solids (edge, face, curved surface, vertex, base, height)</li> <li>▪ Identify multiple lines of symmetry for a figure</li> <li>▪ Define and identify congruent shapes</li> <li>▪ Define and identify similar shapes</li> <li>▪ Draw* angles (right, acute, obtuse, straight)</li> <li>▪ Represent a line, ray, segment</li> <li>▪ Identify cubes, rectangular and triangular prisms, and rectangular and triangular pyramids from simple nets</li> <li>▪ Apply formulas for perimeter and area of rectangles</li> <li>▪ Identify and represent a circle, radius, diameter, and chord</li> </ul> |
|   | <u>MEASUREMENT</u>   |   |
|   | <u>ALGEBRAIC RELATIONSHIPS</u>   |   |
|   | <ul style="list-style-type: none"> <li>▪ Find and extend number patterns</li> <li>▪ Use arrays to solve problems</li> <li>▪ Write a number sentence to solve a word problem</li> <li>▪ Evaluate simple expressions</li> <li>▪ Find missing factors in equations</li> <li>▪ Solve number sentences involving parentheses</li> <li>▪ Find missing numbers in equivalent fractions and proportions</li> </ul> |   |

\*Draw means less precise or informal.